

Please type a plus sign (+) inside this box → ⊕

22390 U.S. PTO  
10/717372

# UTILITY PATENT APPLICATION TRANSMITTAL

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No. 090936.0524

First Inventor Zijing Zhan, et al.

Title Synthetic Gas \* see attached

Express Mail Label No. EV352386565US

## APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents.

1. ☒ Fee Transmittal Form (e.g., PTO/SB/17)  
(Submit an original and a duplicate for fee processing)
2. ☒ Applicant claims small entity status.  
See 37 CFR 1.27.
3. ☒ Specification [Total Pages 14]  
(preferred arrangement set forth below)
  - Descriptive title of the invention
  - Cross Reference to Related Applications
  - Statement Regarding Fed sponsored R & D
  - Reference to sequence listing, a table, or a computer program listing appendix
  - Background of the Invention
  - Brief Summary of the Invention
  - Brief Description of the Drawings (if filed)
  - Detailed Description
4. ☒ Drawing(s) (35 U.S.C. 113) [Total Sheets 3]
  - ☒ Claim(s) [Total Sheets 6]
  - ☒ Abstract of the Disclosure [Total Sheets 1]
5. ☐ Oath or Declaration [Total Pages ]
  - a. ☐ Newly executed (original or copy)
  - b. ☐ Copy from a prior application (37 CFR 1.63 (d))  
(for continuation/divisional with Box 18 completed)
  - i. ☐ **DELETION OF INVENTOR(S)**  
Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).
6. ☐ Application Data Sheet. See 37 CFR 1.76

## ADDRESS TO:

Commissioner for Patents  
Mail Stop Patent Application  
P. O. Box 1450, Alexandria, VA 22313

7. ☐ CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)
8. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary)
  - a. ☐ Computer Readable Form (CRF)
  - b. Specification Sequence Listing on:
    - i. ☐ CD-ROM or CD-R (2 copies); or
    - ii. ☐ paper
  - c. ☐ Statements verifying identity of above copies

## ACCOMPANYING APPLICATION PARTS

9. ☐ Assignment Papers (cover sheet & document(s))
10. ☐ 37 CFR 3.73(b) Statement [Power of Attorney] (when there is an assignee)
11. ☐ English Translation Document (if applicable)
12. ☒ Information Disclosure Statement & PTO-1449 (3 pgs) [Copies of IDS Citations]
13. ☐ Preliminary Amendment
14. ☒ Return Receipt Postcard (MPEP 503) (Should be specifically itemized)
15. ☐ Certified Copy of Priority Document(s) (if foreign priority is claimed)
16. ☐ Request and Certification under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent.
17. ☐ Other: .....

18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:

☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP)

of prior application No.: .....

Prior application information: Examiner .....

Group Art Unit: .....

For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

## 19. CORRESPONDENCE ADDRESS

☒ Customer Number or Bar Code Labelor ☐ Correspondence address below

Name

Address

City

State

Zip Code

Country

Telephone

Fax

Name (Print/Type)

Ann C. Livingston

Registration No. (Attorney/Agent)

32,479

Signature

Date

11/18/03



16569 U.S. PTO

**BAKER BOTTS LLP****FEE TRANSMITTAL  
for FY 2003**

Patent fees are subject to annual revision.

**TOTAL AMOUNT OF PAYMENT (\$)** 403**Complete if Known**

|                      |                     |
|----------------------|---------------------|
| Application Number   | unknown             |
| Filing Date          | November 19, 2003   |
| First Named Inventor | Zijing Zhan, et al. |
| Examiner Name        | unknown             |
| Group Art Unit       | unknown             |
| Attorney Docket No.  | 090936.0524         |

**METHOD OF PAYMENT**

1. ☐ The Commissioner is hereby authorized to charge indicated fees and credit any overpayments to:

Deposit  
Account  
Number

50-2148

Deposit  
Account  
Name

Baker Botts LLP

- ☒ Charge Any Additional Fee Required  
Under 37 CFR 1.16 and 1.17

- ☒ Applicant claims small entity status.  
See 37 CFR 1.27

2. ☒ **Payment Enclosed:**

- ☒ Check ☐ Credit card ☐ Money  
Order ☐ Other

**FEE CALCULATION****1. BASIC FILING FEE**

Large Entity Small Entity

| Fee (\$) | Fee (\$) | Fee Description        | Fee Paid |
|----------|----------|------------------------|----------|
| 770      | 385      | Utility filing fee     | 385      |
| 330      | 165      | Design filing fee      |          |
| 510      | 255      | Plant filing fee       |          |
| 740      | 370      | Reissue filing fee     |          |
| 160      | 80       | Provisional filing fee |          |

**SUBTOTAL (1)** (\$ 385)**2. EXTRA CLAIM FEES**

| Total Claims       | Extra Claims | Fee from below | Fee Paid |
|--------------------|--------------|----------------|----------|
| 22                 | 20           | 2              | 18       |
| 3                  | 3            | 0              | 0        |
| Multiple Dependent |              |                |          |

Large Entity Small Entity

| Fee (\$) | Fee (\$) | Fee Description  |
|----------|----------|--|
| 18       | 9        | Claims in excess of 20                                     |
| 86       | 43       | Independent claims in excess of 3                          |
| 280      | 140      | Multiple dependent claim, if not paid                      |
| 84       | 42       | ** Reissue independent claims over original patent         |
| 18       | 9        | ** Reissue claims in excess of 20 and over original patent |

**SUBTOTAL (2)** (\$ 18)

\*\*or number previously paid, if greater; For Reissues, see above

**FEE CALCULATION (continued)****3. ADDITIONAL FEES**

| Large Entity Fee (\$) | Small Entity Fee (\$) | Fee Description  | Fee Paid |
|-----------------------|-----------------------|--|----------|
| 130                   | 65                    | Surcharge - late filing fee or oath  |          |
| 50                    | 25                    | Surcharge - late provisional filing fee or cover sheet                     |          |
| 130                   | 130                   | Non-English specification  |          |
| 2,520                 | 2,520                 | For filing a request for ex parte reexamination                            |          |
| 920*                  | 920*                  | Requesting publication of SIR prior to Examiner action                     |          |
| 1,840*                | 1,840*                | Requesting publication of SIR after Examiner action                        |          |
| 110                   | 55                    | Extension for reply within first month                                     |          |
| 400                   | 200                   | Extension for reply within second month                                    |          |
| 920                   | 460                   | Extension for reply within third month                                     |          |
| 1,440                 | 720                   | Extension for reply within fourth month                                    |          |
| 1,960                 | 980                   | Extension for reply within fifth month                                     |          |
| 320                   | 160                   | Notice of Appeal   |          |
| 320                   | 160                   | Filing a brief in support of an appeal                                     |          |
| 280                   | 140                   | Request for oral hearing   |          |
| 1,510                 | 1,510                 | Petition to institute a public use proceeding                              |          |
| 110                   | 55                    | Petition to revive - unavoidable   |          |
| 1,280                 | 640                   | Petition to revive - unintentional   |          |
| 1,280                 | 640                   | Utility issue fee (or reissue)   |          |
| 460                   | 230                   | Design issue fee   |          |
| 620                   | 310                   | Plant issue fee  |          |
| 130                   | 130                   | Petitions to the Commissioner  |          |
| 50                    | 50                    | Processing fee under 37 CFR 1.17(q)  |          |
| 180                   | 180                   | Submission of Information Disclosure Stmt                                  |          |
| 40                    | 40                    | Recording each patent assignment per property (times number of properties) |          |
| 740                   | 370                   | Filing a submission after final rejection (37 CFR § 1.129(a))              |          |
| 740                   | 370                   | For each additional invention to be examined (37 CFR § 1.129(b))           |          |
| 740                   | 370                   | Request for Continued Examination (RCE)                                    |          |
| 900                   | 900                   | Request for expedited examination of a design application                  |          |

Other fee (specify) \_\_\_\_\_

\*Reduced by Basic Filing Fee Paid

**SUBTOTAL (3)** (\$ 0)**SUBMITTED BY**

Name (Print/Type)

Ann C. Livingston

Registration No.  
(Attorney/Agent)

32,479

**Complete (if applicable)**

Telephone

512.322.2634

Signature

Date

11/18/03

**WARNING:** Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

**Addendum Sheet 1**

## \*Question 4 Addendum

4.a. Drawings are ☒ formal ☐ informal

## \* Question 5 Addendum

5.c. ☐ An unsigned oath or declaration is included.

## \* Question 8 Addendum

8.d. ☐ A sequence submission will follow.

## \* Question 9 Addendum

9.a. ☐ Assignment documents will follow.9.b. ☐ Assignment documents have been filed in  
parent application No.

## \* Question 11 Addendum

11.a. ☐ English translation will follow.

## \* Question 12 Addendum

12.a. ☐ Copies of IDS citations will follow.

## \* Question 15 Addendum

15.a. ☐ Certified copies of priority documents will follow.15.b. ☐ Certified copies of priority documents have been filed in parent  
application No.

Use the space below for additional information

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|  |
|--|

Title (continued):

Synthetic Gas Reactor System with Gas or Liquid Injection

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:                   Rijing Zhan, et al.  
Date Filed:                           November 19, 2003  
Title:                                 SYNTHETIC GAS REACTOR SYSTEM  
                                       WITH GAS OR LIQUID INJECTION

Mail Stop Patent Application  
Commissioner for Patents  
P. O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

CERTIFICATE OF MAILING BY EXPRESS MAIL

I hereby certify that the attached Patent Transmittal, Fee Transmittal, Patent Application, Formal Drawings, Information Disclosure Statement and PTO-1449 without references are being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 C.F.R. 1.10 on this 19th day of November, 2003, and is addressed to the Mail Stop Patent Application, Commissioner for Patents, P. O. Box 1450, Alexandria, VA 22313-1450.

  
Shannon Judice

Express Mail Receipt  
No. EV352386565US  
Attorney's Docket:  
090936.0524